

**SUN YAT-SEN UNIVERSITY**  
**ZHONGSHAN SCHOOL OF MEDICINE**  
**APPROVAL DOCUMENT IN ETHICS COMMITTEE OF**  
**ZSSOM LABORATORY ANIMAL CARE**

Ethics Committee of ZSSOM on Laboratory Animal Care (No.2016-135)

Project name	The therapeutic effect of the over-expression EGF on E.coli in IBD mice model		
The content and significance in research	The project is aimed to confirm the therapeutic effect of the over-expression EGF on E.coli in IBD mice model. After engineered modified, E.coli products the EGF protein, which will be purified and inserted into the colon.		
Principle investigator	Xiang Peng		
Committee members in ethics committee of ZSSOM on laboratory Animal Care	<b>Name</b>	<b>Title</b>	<b>Work unit</b>
	Cai Weibin	Professor	Sun Yat -Sen University Zhongshan School of Medicine
	Huang Xi	Professor	Sun Yat -Sen University Zhongshan School of Medicine
	Wang Yuanzhan	Research Fellow	Southern Medical university Animal laboratory center
	Tan Hongmei	Professor	Sun Yat -Sen University Zhongshan School of Medicine
	Huang Chaofeng	Associate Professor	Sun Yat -Sen University Zhongshan School of Medicine
Voting result: 1. Approve ( <input checked="" type="checkbox"/> ) 3. Approve after necessary revise ( ) 2. Disapprove ( ) 4. Stop or suspend the approved experiments ( )			

### Approval opinion of Ethics Committee of ZSSOM on Laboratory Animal Care:

To investigate the tissue repair capability of EGF in IBD model, we have reduced the number of animals used in our design. We will establish IBD model of BALB/c mice which will be divided into 2 experiments, including the EGF group and saline group. Colon tissue section, cytokine will be analyzed after measurement. All the animals will be narcotized by 4% chloral hydrate (150ug/ml) and sacrificed by cervical dislocation. The mice body will receive sanity treatment. To be well applied the "3R" principle, the experimental technical route has been delicately designed and selected in order to reduce discomfort and suffer of experimental animals which will promise the repeatability of animal experiment.

Signed by the chairman of committee.

  
Date: 10th August, 2016